MUHAMMAD ABID AL KHAWARIZMI

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Kec. Taman Sari, Ampenan, Mataram, Lombok

Computer Science graduate with strong hands-on experience in web development, data processing, and applied machine learning. Proven ability to build and deploy real-world applications, integrate APIs, and work with structured and unstructured data. Highly motivated, fast learner, and comfortable collaborating in cross-functional teams.

Project

ERD for Digital Platform as a distributor of Video Game (STEAM)   Jul 2022

- By using MySQL, SQL & Power Designer for the implementation.

Automatic Door with Arduino Uno   Jan 2023

- By using Arduino Uno, Ultrasonic Sensor and Motor Servo that implemented with C++.

Digital Library (Application)   Jan 2023

- A Digital Library using Java & NetBeans that implemented with OOP.

BabyBoost Website (Capstone Project)   Des 2023

- A child nutrition monitoring website that is implemented by using JavaScript, Bootstrap (CSS), and Express.js.
- GitHub Repo: https://github.com/BabyBoost

Desa Tagawiti Website   Des 2024

- An information of tagawiti village website that is implemented by using JavaScript, Bootstrap (CSS), and Express.js.
- GitHub Repo: https://github.com/warizmy/Tagawiti-FE

Indonesian Food Classification & Recipe Recommendation   Jan 2026

- Developed CNN-based food classification system using MobileNetV2. Integrated backend API and deployed as a Progressive Web App.
- GitHub Repo: https://github.com/warizmy/indo-food-classification-FE

Insightly.ai – Customer Feedback Sentiment Analysis   *on Progress*

- Built an NLP-based sentiment analysis system using Transformer models. Developed FastAPI backend for inference and real-time predictions.
- GitHub Repo: https://github.com/warizmy/insightly.ai-BE

Education

SMA Negeri 2 Mataram   2018 – 2021

Mathematics and Natural Sciences

- Final Score: 87.49

Universitas Bumigora   Sept 2021 – Aug 2025

Bachelor's degree in computer science, Concentration of Artificial Intelligence

- GPA: 3.80/4.00
- Actively participates in more than 5 campus events, such as webinars and skills training workshops

Experience

Bootcamp at CAMP404   Des 2022 – Jan 2023
- Participants/Students who take part in Bootcamp about Fundalmental of Web Development. Mostly, I learn about PHP and the framework Laravel.

Front-End Web & Back-End Web Development Student at SIB Dicoding Cycle 5   Aug – Des 2023
- SIB Dicoding Cycle 5 is one of the programs of Kampus Merdeka, namely MSIB with a focus on Independent Studie.
- As a Front-End Web and Back-End Web student, I learned about Git, Front-End (HTML, CSS, JavaScript) Back-End (Node Js, Express Js, and Amazon Web Services), Testing (Uni test, Integration test, and System Testing), also learn how to deploy a Website and maintain it. Making a Final Project (Capstone Project) as a Group, the final project is a website called BabyBoost.

Intern at LKP ITEC Mataram   Jul - Aug 2024
- Reviewing and summarizing research articles related to forecasting in drug, medicine, and supply.
- Assisting in testing advanced forecasting algorithms and methods for accuracy and performance
- Contributing to a hybrid forecasting approach utilizing a pharma sales dataset that categorized various types of drugs.

Assistant Data Researcher/Analyst at Populix   Jul – Des 2025
- Managed and queried research datasets using PostgreSQL and DuckDB to support data processing and analysis workflows.
- Cleaned, preprocessed, and structured raw data from multiple sources, including news and textual datasets, using Python.
- Performed data validation, normalization, and consistency checks to ensure high-quality and reliable research data.
- Transformed raw data into analysis-ready formats for reporting and further research use.
- Maintained clear documentation of data processing pipelines to ensure reproducibility and transparency.

Event Experience

UI/UX Workshop UBG   Oct 2022
- How to develop a design by learning UI/UX using FIGMA.

One Day Informatics   Des 2022
- Developing Solution for Local Community with role of Data Science in building solutions for local problems.
- Develop a product that has an impact on local problems by using Flutter.

Achievements

- I achieved the Top Talent certification course at CAMP404 and successfully completed all requirements and criteria through examination with passing grade A (Jan 2023).
- Achieved the Best Capstone Project at SIB Dicoding Cycle 5 (Des, 2023).

Courses

- Completed Web *Programming Fundamentals* at CAMP404 (Jan 2023).
- Complete an SIB Dicoding Cycle 5 that organized by **Kampus Merdeka** (Des 2023).

Skills

- **Hard Skills:**
    1. **Programming Languages:** JavaScript, PHP, Python
    2. **Technologies:**
        a. Front-End: HTML5, CSS3, Bootstrap 5, React.js (basic)
        b. Back-End & APIs: Node.js, Express.js, FastAPI, REST API
        c. Databases: PostgreSQL & MySQL
        d. Machine Learning: NLP (Transformers), CNN (MobileNetV2)
    3. **IT Constructs:** DBMS, Data Structure & Algorithms, OOP, Operating System
- **Soft Skills:** Leadership, Communication, Teamwork, Adaptability, Continuous Learning, Critical Thinking, Creativity, Attention to Details, and Professionalsm.